Express Mail Cert. No. EV 463 363 546 US
Inventors: Clayton H. Johnson et al
Application No. 10/718,955
Attorney Docket No. 55474-294389

See US 9

Nucleic acid probes for the detection and identification of fungi

Patent Number: ☐ US5707802 US 9
Publication date: 1998-01-13
Inventor(s): SANDHU GURPREET S (US); KLINE BRUCE C (US)
Applicant(s): CIBA CORNING DIAGNOSTICS CORP (US)
Requested Patent: ☐ EP0804619 (WO9621741)
Application Number: US19950435684 19950505
Priority Number(s): US19950435684 19950505; US19950373127 19950113
IPC Classification: C12Q1/68; C12P19/34; C07H21/04; C12N15/00
EC Classification: C07K14/37, C12Q1/68A4, C12Q1/68M10F
Equivalents: AU4313896, AU693625, BR9607497, CA2209247, JP11500305T, PL321139, ☐ WO9621741

Abstract

Nucleic acid probes and primers are described for detecting fungi that cause disease in humans and animals, as well as spoilage of food and beverages. These probes can detect rRNA, rDNA or polymerase chain reaction products from a majority of fungi in clinical, environmental or food samples. Nucleic acid hybridization assay probes specific for Acremonium sp., Aspergillus clavatus, Aspergillus flavus, Aspergillus fumigatus, Aspergillus glaucus, Aspergillus nidulans, Aspergillus niger, Aspergillus ochraceus, Aspergillus terreus, Aspergillus unguis, Aspergillus ustus, Beauveria sp., Bipolaris sp., Blastoschizomyces sp., Blastomyces dermatitidis, Candida albicans, Candida glabrata, Candida guilliermondii, Candida kefyr, Candida krusei, Candida lusitaniae, Candida parapsilosis, Candida tropicalis, Chrysosporium sp., Cladosporium sp., Coccidioides immitis, Cryptococcus neoformans var gattii serotype B, Cryptococcus neoformans serotype A, Cryptococcus laurentii, Cryptococcus terreus, Curvularia sp., Fusarium sp., Filobasidium capsuligenum, Filobasidiella (Cryptococcus) neoformans var bacillispora serotype C, Filobasidiella (Cryptococcus) neoformans var neoformans serotype D, Filobasidium uniguttulatum, Geotrichum sp., Histoplasma capsulatum, Malbranchea sp., Mucor sp., Paecilomyces sp., Penicillium species, Pseudallescheria boydii, Rhizopus sp., Sporothrix schenkii, Scopulariopsis brevicaulis, Scopulariopsis brumpti, Saccharomyces cerevisiae, and Trichosporon beigelii are also described.